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WO 2005/007769 A1

(54) Title: METHOD FOR SETTING FIRING TEMPERATURE OF CERIUM CARBONATE, METHOD FOR PRODUCING CERIUM OXIDE ABRASIVES AND CERIUM OXIDE ABRASIVES OBTAINED BY THE METHOD

(57) Abstract: A method for producing a cerium oxide abrasive, characterized in that the method comprises firing a raw material of cerium carbonate having a fluorine content F (ppm by mass) falling within a range of 10 to 500 ppm by mass, at a firing temperature T (°C) selected within a temperature range defined by the following formula:  $730 - 14[\log(F)] \leq T \leq 790 - 10[\log(F)]$ .